

9582856

SEQ IDNO	Cystic Fibrosis Transmembrane Regulator (CFTR)	Exon	Int	15-plex Size (bp)	SEQ IDNO	Gauchers (GCR) and Sickle Cell Anemia (SCA)	Exon	4-plex Size (bp)
1	AGG CTT CTC AGT GAT CTG TTG	19	19	440	37	GCR Primer Sequences	6	401
2	GAA TCA TTC AGT GGG TAT AAG CAG				38	GGG TGG GAG GGT GGA GGC TAA TGG		
3	GCC CGA CAA ATA ACC AAG TGA	19	19	410	39	CCA GAA GGT AGA AAG GTG AG		
4	AGT CTA ACA AAG CAA GCA GTG				40	GAA TGT CCC AAG CCT TTG A	2	358
5	TGA TGG TAA GTA CAT GGG TG	21	21	381	41	AAG CTG AAG CAA GAG AAT CG		
6	CAA AAG TAC CTG TTG CTC CA				42	TGC AAC TAC TGA GGC ACT T	9	319
7	CTT CTA ATG GTG ATG ACA GCC T	9	9	335	43	TAC AAT GAT GGG ACT GTC G		
8	CCA CTG AAA ATA ATA TGA GGA AAT				44	SCA Primer Sequences		124
9	AGG TAG CAG CTA TTT TTA TGG	13	13	295	45	CAT TTG CTT CTG ACA CAA CTG		
10	TAA GGG AGT CTT TTG CAC AA				46	CCA ACT TCA TCC ACG TTC ACC		
11	TGT AGG AAG TCA CCA AAG	4	4	267	45	GCR and Tay-Sachs (TS) 3-plex		
12	GGA TAC AGA ATA TAT GTG CC				46	GCR		
13	GGA GTC CAA TTT TCA CTC ATC TTG	17b	17b	245	47	CCT TGC CCT GAA CCC CGA A	9, 10, 11	871
14	AGT TAA TGA GTT CAT AGT ACC TGT T				48	CTG ACT CTG TCC CTT TAA TGC CCA		
15	AGA TAC TTC AAT AGC TCA GCC	7	7	220	49	TS Primer Sequences		
16	GGT ACA TTA CCT GTA TTT TGT TT				50	GTG TGG CGA GAG GAT ATT CCA	11, 12***	530
17	CAG ATT GAG CAT ACT AAA AGT G	11	11	200	51	TGG CTA GAT GGG ATT GGG TCT		
18	TAC ATG AAT GAC ATT TAC AGC A				52	GGG TCC TAC AAC CCT GTC ACC CAC	7***	190
19	GAG CCT TCA GAG GGT AAA AT	10	10	175	51	AAG CTT CAC TCT GAG CAT AAC AAG		
20	TCA CAT AGT TTC TTA CCT CT				52	B-thalassemia Primer Sequences	1, 2, 3	1612
						GCT GTC ATC ACT TAG ACC TC		
						GCA AGA AAG CGA GCT TAG TG		

FIG. 1A

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

SEQ IDNO:	SEQ IDNO:	WT-1 Primer Sequences	Size (bp)	Exon	Name	Size (bp)	Name	Size (bp)
21 AAG AAC TGG ATC AGG GAA GA	53	CTG AGT GAA TGG AGC GGC	155	20	B*	204		
22 TCC TTT TGC TCA CCT GTG GT	54	GGG TGA ATG AGT AGG TGG						
23 GCT GTC AAG CCG TGT TCT A	55	CGG TGC TGG ACT TTG CG	132	5	F	186		
24 GTA TAA TTT ATA ACA ATA GTG CC	56	AAG TGG ACA GTG AAG GCG						
25 TTG GTT GTG CTG TGG CTC CT	57	CCG TCT TGC GAG AGC ACC	110	14b	H*	262		
26 ACA ATA CAT ACA AAC ATA GTG G	58	CTA ATT TGC TGT GGG TTA GG						
27 GAC TCT CCT TTT GGA TAC CTA	59	AGT TGT GTA TAT TTG TGG TTA TG	90	12	J	167		
28 GCA TGA GCA TTA TAA GTA AGG	60	GTT ACT GTG GAA AGG CAA TG						
29 GGC GAT GTT TTT TCT GGA GA	61	GAG ATC CCC TTT TCC AG	70	3	N*	176		
30 ACA AAT GAG ATC CTT ACC CC	62	CAC AGC TGC CAG CAA TG						
CFTR Exon 21 Primer Sequences								
31 CAA GTG AAT CCT GAG CGT GAT TT	63	CTC ACT GTG CCC ACA TTG	Size (bp) 63	Name		211		
32 CAA AAG TAC CTG TTG CTC CA	64	CAA TTT CAT TCC ACA ATA G	477	SS#1	O*			
33 GAA CTT GAT GGT AAG TAC ATG GGT G				SS#2				
34 AGT CAA AAG TAC CTG TTG CTC CAG			389					
35 TGA TGG TAA GTA CAT GGG TG				SS#3				
36 CAA AAG TAC CTG TTG CTC CA			381					

* Reported previously by Varanasi et al 1994.
 ** Reported previously by Navon & Proia 1989.
 *** Reported previously by Tanaka et al 1990.

NOTE:
 Amplicon sizes Increase by 40bp for chimeric primers.

FIG. 1B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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50° 55°

SS#1 SS#2 SS#3 SS#3+UPS SS#1 SS#2 SS#3 SS#3+UPS

M 1 2 3 4 5 6 7 8 9 10 11 12 M 1 2 3 4 5 6 7 8 9 10 11 12

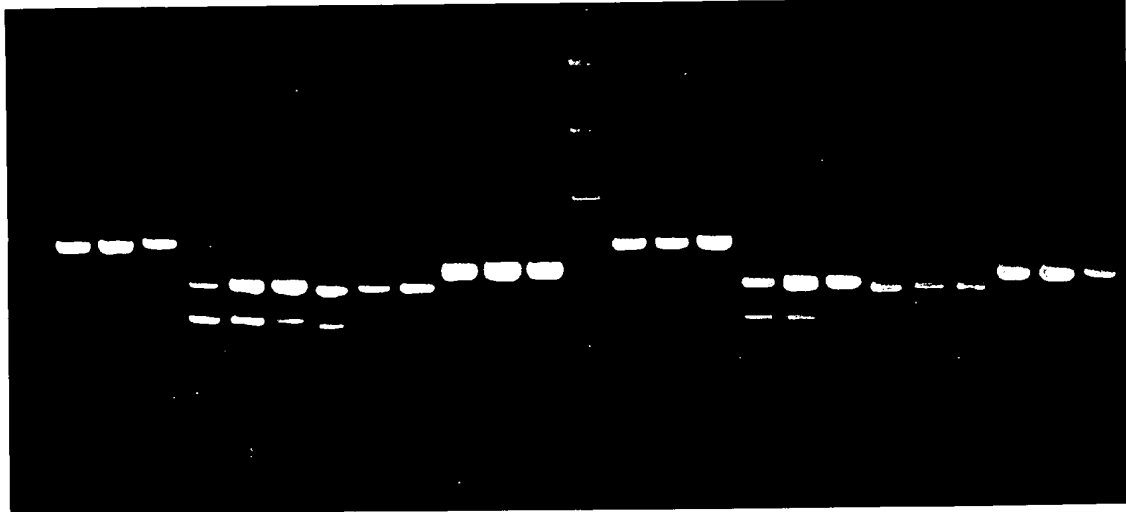


FIG. 2A

FIG. 2B

60° 65°

SS#1 SS#2 SS#3 SS#3+UPS SS#1 SS#2 SS#3 SS#3+UPS

M 1 2 3 4 5 6 7 8 9 10 11 12 M 1 2 3 4 5 6 7 8 9 10 11 12



FIG. 2C

FIG. 2D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

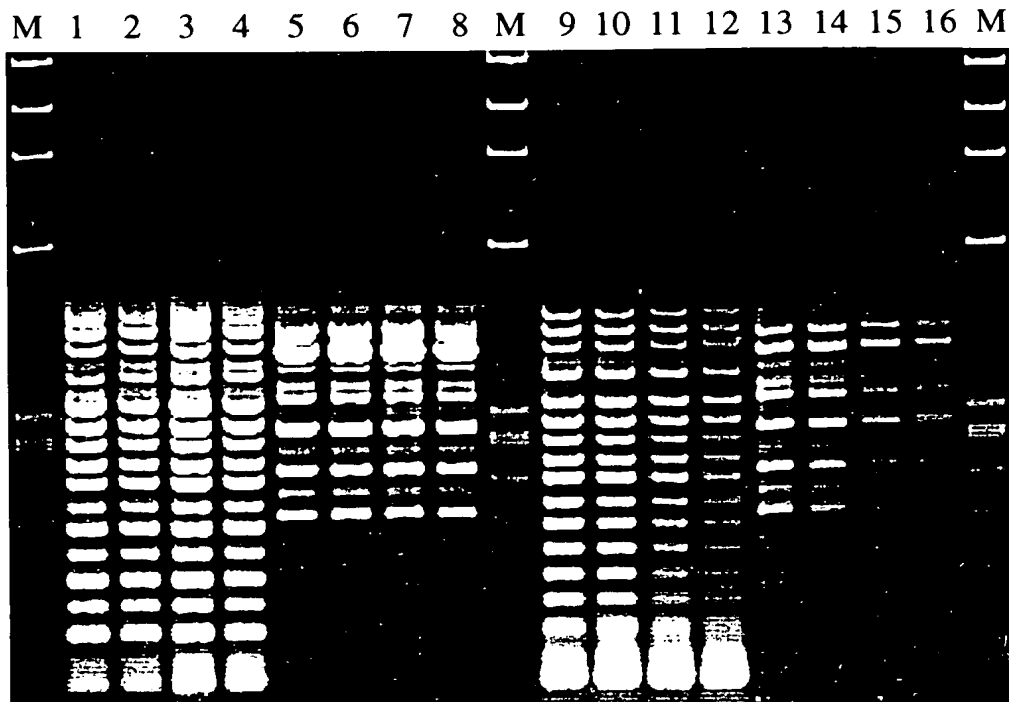


FIG. 3

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		.

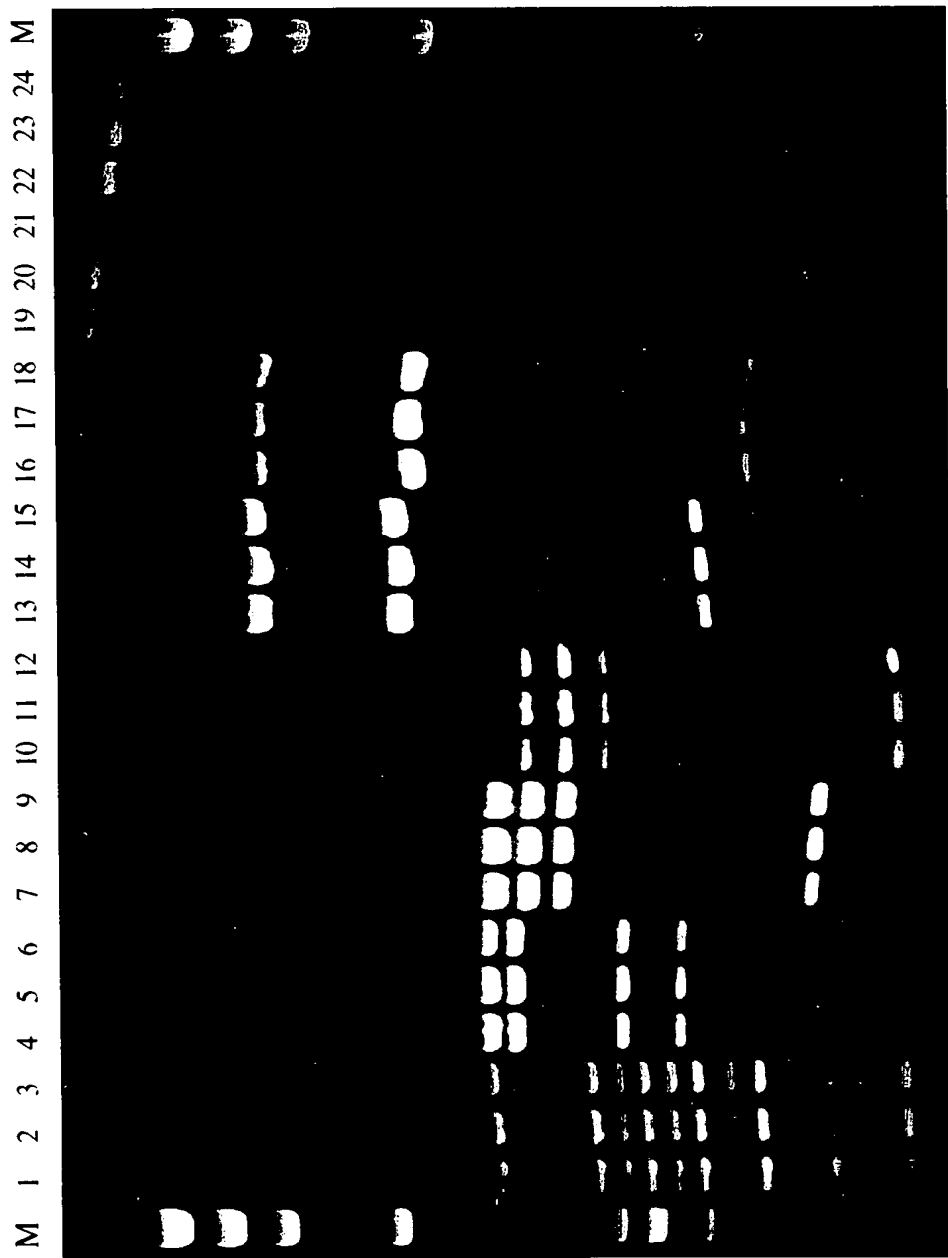


FIG. 4

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 M
 B F H J O

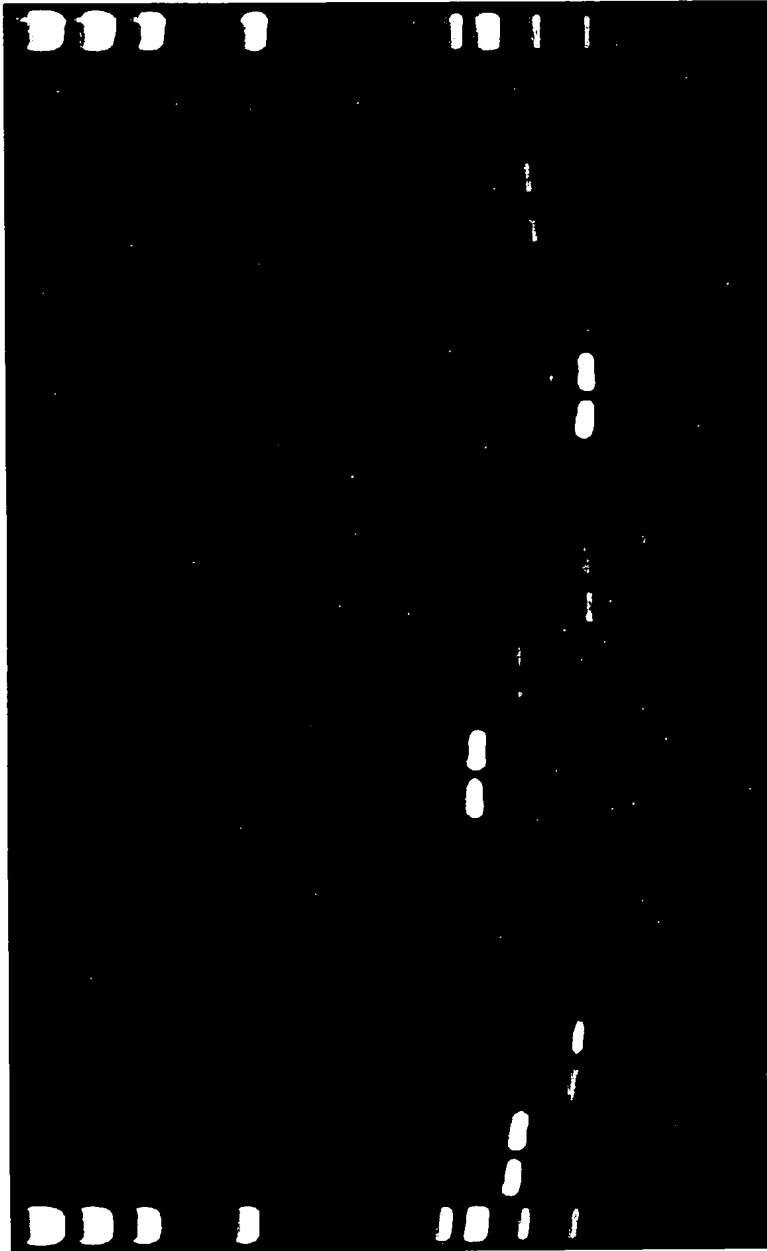


FIG. 5